JAMES R. LAW, from T. M.
2 copies

FIREPROOF HOUSES

OF

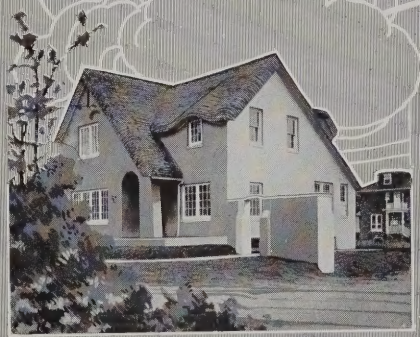
NATCO

HOLLOW TILE

Chicago Edition

FIREPROOF HOUSES

Seventh Edition



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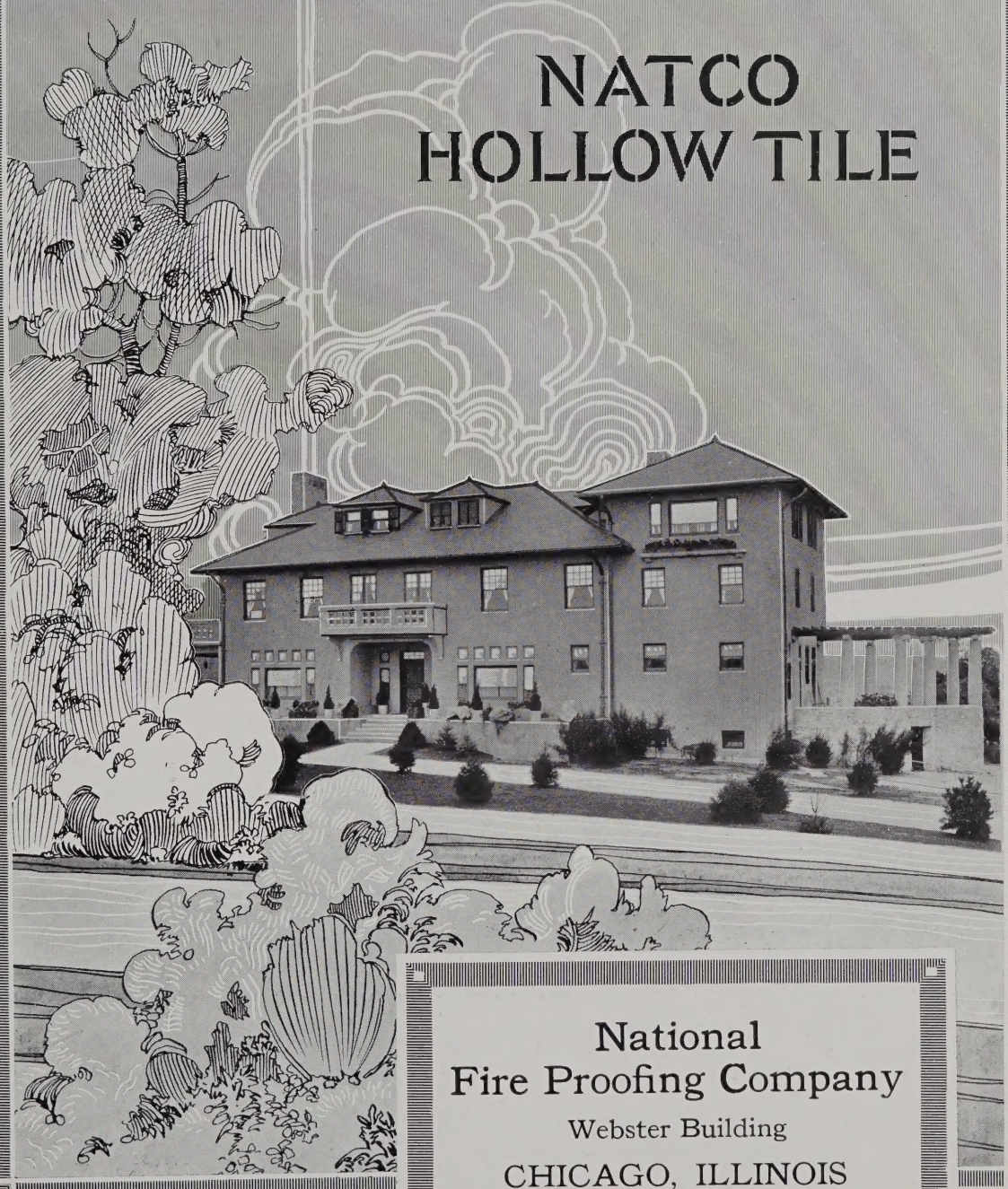
NATIONAL·FIRE·PROOFING
COMPANY
PITTSBURGH · PENNSYLVANIA

FIREPROOF HOUSES OF MODERATE COST

NATCO HOLLOW TILE



National
Fire Proofing Company
Webster Building
CHICAGO, ILLINOIS

Introduction to SEVENTH EDITION

DURING the successive periods marked off by the previous six editions of "Fireproof Houses", Natco Hollow Tile developed from its introductory stage to a nationally broad recognition of its superior merits over all other building materials.

This seventh edition may be said to signalize a further fundamental development—a growing conviction that Natco construction is not only greatly preferable to any other, but that lesser standards are no longer adequate at all. Let us take a glance backward at the relatively brief, but revolutionary career of Natco Hollow Tile.

There are two factors of progress—evolution and its more rapid working counterpart invention. Where evolution fails to keep pace with the world's requirements, invention steps in and fills the breach.

The older building materials—the results of centuries of slow evolution—were no longer meeting the demands of civilization for fire-safe, maintenance-free, absolutely permanent buildings.

Then came the invention of Natco Hollow Tile and with it the revolutionizing of building standards—simplifying the erection, affording absolute protection from fire and insuring a permanence independent of all conditions.

The use of Natco started where the need of such a material was most apparent and where the requirements were most severe—in the great skyscrapers of the cities. Immediately winning recognition as the most effective fireproofing material in this field, Natco played a most important part in the growth of skyscrapers to their present great proportions and popularity.

The next logical development in the use of Natco was in the direction of the smaller buildings such as residences. These presented a problem of their own in that the bearing walls must be built of Natco Hollow Tile entirely, without steel reinforcement, and Natco must be made in the form and of the strength to satisfy these conditions.

The number of such buildings is the best evidence of the success of Natco as adapted to residence construction. Architects showed their approval at once, a great number of them being among the first to specify Natco Hollow Tile for their

own homes. There now are so many Natco houses and moderate sized buildings in all parts of the country that in this seventh edition of "Fireproof Houses" different sub-editions for the various sections have been necessary—space not permitting a fair representation of all in one volume.

NATCO HOLLOW TILE FOR RESIDENCES

Natco Hollow Tile is the highest attainable grade of the same terra cotta material that gives to skyscrapers really fire safe construction. The tile are necessarily of different form and size to meet the requirements of strictly bearing walls. This difference is clearly shown by a description of the latest development of Natco—the tile known as

NATCO XXX

Natco XXX, unlike any other Hollow Tile, has a double cross web. Because of this improvement, every web and shell of every Natco XXX tile as set in exterior and bearing walls, comes in direct alignment and under complete compression. The Natco XXX wall represents the utmost in structural solidity and strength.

The advantages of Natco construction for all types of buildings, large and small, are very generally understood today. Natco Hollow Tile is a material that cannot burn. Neither can dampness, climate, temperatures, or age cause the slightest deterioration.

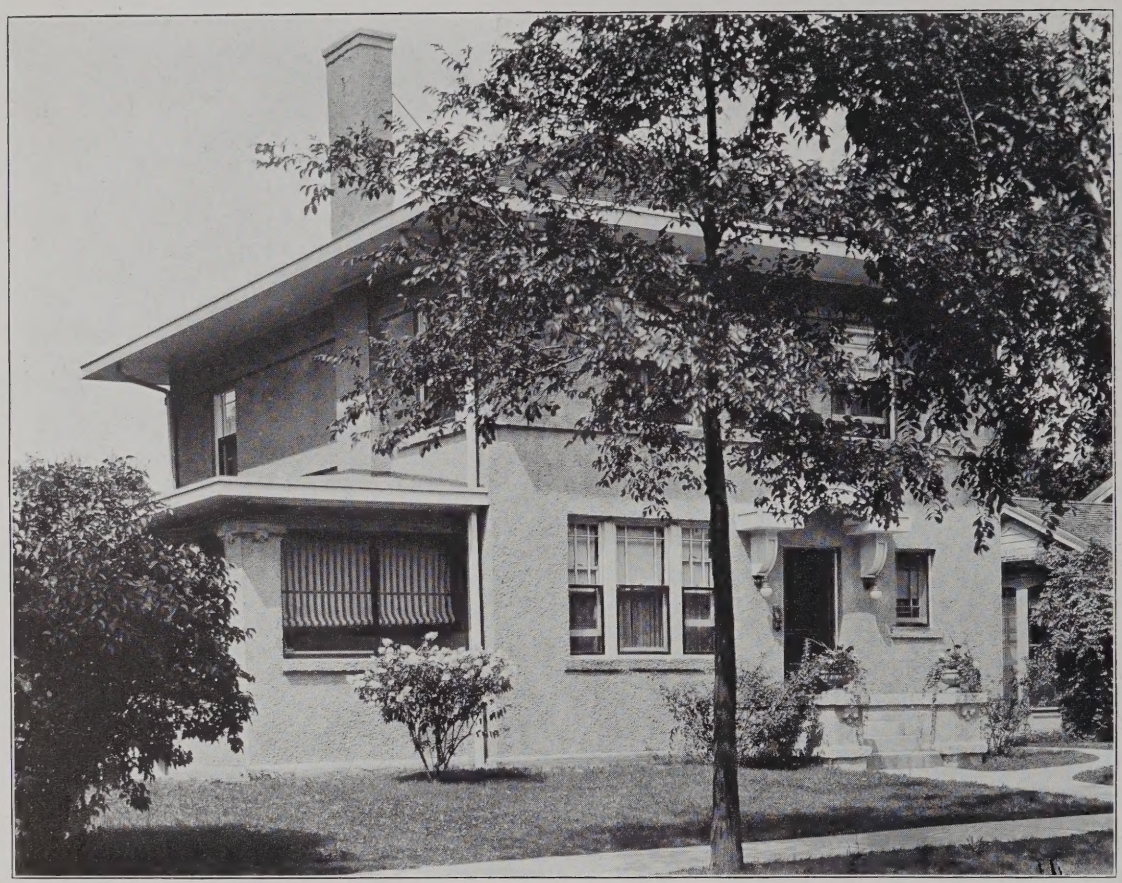
It is when contrasted with other materials that Natco Hollow Tile looms up to best advantage.

The Natco house or building needs no painting and repairing. It is warmer in winter, cooler in summer, because the Natco Hollow Tile blankets the structure with an insulation of dead air and the material itself does not take in the heat, the cold, or the moisture, as does wood, brick and stone. It affords no entrance to vermin. Lastly and most important of all, it is fireproof in the complete sense of the term.

Any building of moderate dimensions may be and should be built of Natco Hollow Tile. It lends itself to any architectural treatment. The different forms of Natco tile allow for its economical use in any type of structure and in the partitions, floors, and roofs as well as walls.

The residences illustrated here have been selected simply as typical, without any attempt to portray the complete scope of Natco construction.

Be sure to secure the genuine Natco Hollow Tile. It may always be distinguished from its inferior imitations by the trade mark, "Natco", pressed into every tile of genuine Natco Hollow Tile.



RESIDENCE AT WAUKEGAN, ILLINOIS

:: *Diegley & Campbell, Chicago, Architects.* ::

The outside walls of this house are constructed of ten and eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 28 x 33 and has eight rooms and one bathroom. The roof is of red cedar shingles.

RESIDENCE AT JEFFERSON, IOWA

:: *W. J. Brown, Cedar Rapids, Iowa, Architect.* ::

The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 32 x 48 and has nine rooms and three bathrooms. The roof is of asbestos shingles.

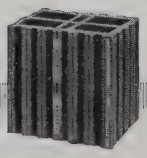
RESIDENCE AT HUBBARD WOODS, ILLINOIS
:: *Marshall & Fox, Chicago, Architects.* ::

The outside walls of this house are constructed of twelve and eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Cream color stucco was used without waterproofing. The house measures 35 x 70 and has ten rooms and four bathrooms. The roof is of shingles.

RESIDENCE AT ST. PAUL, MINNESOTA

:: *C. A. Bassford, St. Paul, Architect.* ::

The outside walls of this house are constructed of ten and eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 40 x 50 and has fourteen rooms and three bathrooms. The roof is of green Spanish tile.



RESIDENCE AT LAKE BLUFF, ILLINOIS

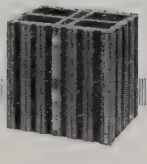
:: *Charles E. White Jr., Chicago, Architect.* ::

The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 30 x 74 and has eight rooms and two bathrooms. The roof is of slate.

RESIDENCE AT CLINTON, IOWA

:: *J. H. Ladehoff, Clinton, Architect.* ::

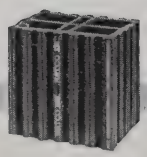
The outside walls of this house are constructed of ten and eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Light gray stucco was used with waterproofing. The house measures 22 x 40 and has seven rooms and one bathroom. The roof is of light reddish brown shingles.

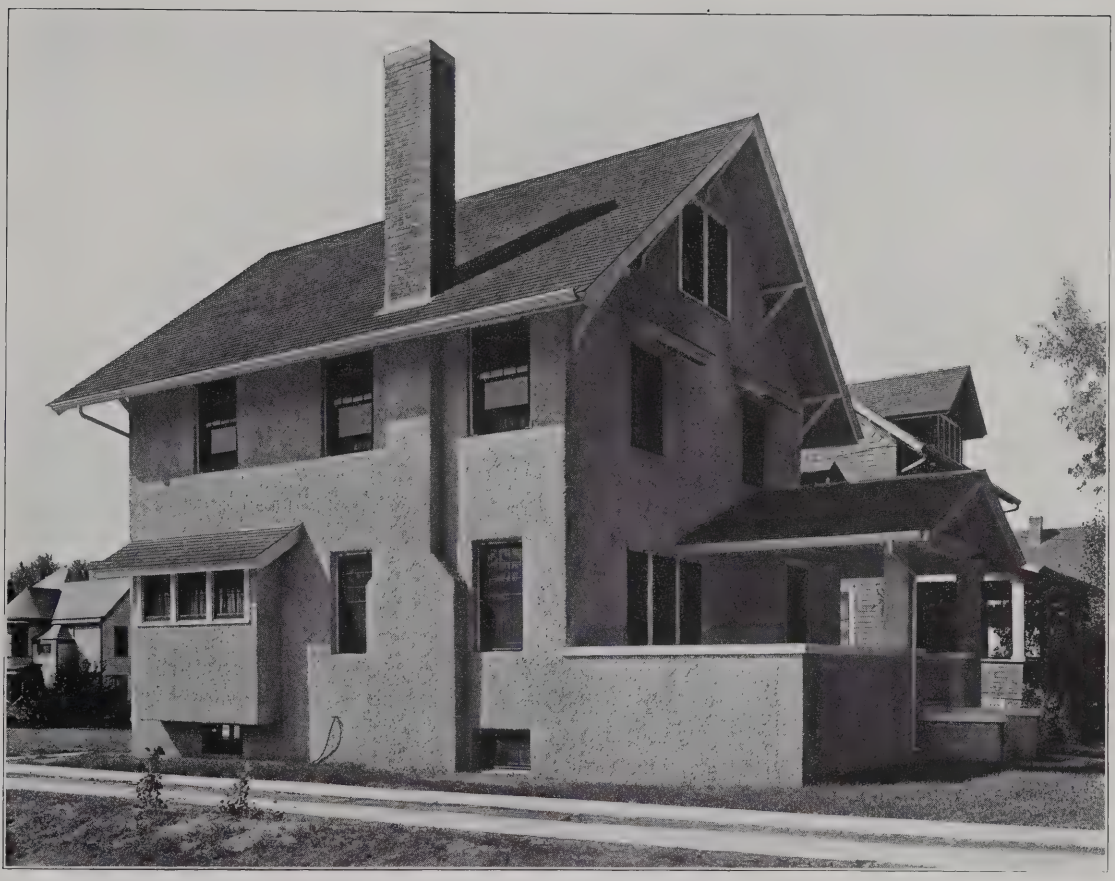


RESIDENCE AT CHICAGO, ILLINOIS

:: *George W. Maher, Chicago, Architect.* ::

The outside walls of this house are constructed of twelve and eight inch **NATCO** Hollow Tile. The foundations are of brick and the floors of wood construction. Buff colored stucco was used with waterproofing. The house measures 36 x 69 and has nine rooms and three bathrooms. The roof is of red Spanish tile.

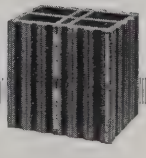




RESIDENCE AT OMAHA, NEBRASKA

:: *B. F. Miller, Omaha, Architect.* ::

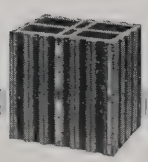
The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of brick and the floors of wood construction. White stucco was used without waterproofing. The house measures 26 x 28 and has eight rooms and one bathroom. The roof is of Oregon Fir shingles.



RESIDENCE AT HARVEY, ILLINOIS

:: *Blood, Hersey & Beck, Chicago, Architects.* ::

The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Gray stucco was used without waterproofing. The house measures 39 x 52 and has seven rooms and two bathrooms. The roof is of shingles.



RESIDENCE AT KENDALLVILLE, INDIANA

:: *J. H. Newson, Columbus, Ohio, Architect.* ::

The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. White stucco was used without waterproofing. The house measures 31 x 34 and has eight rooms and one bathroom. The roof is of green shingles.

RESIDENCE AT OAK PARK, ILLINOIS

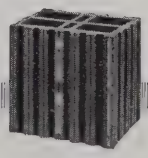
:: *Carl Hoermann, Chicago, Architect.* ::

The first story walls of this house are of brick veneer backed with six inch NATCO Hollow Tile and the second story, of six inch NATCO. The foundations are of twelve inch NATCO and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 33 x 51 and has eight rooms and one bathroom. The roof is of cedar shingles.

RESIDENCE AT MILWAUKEE, WISCONSIN

:: *H. J. Rotier, Milwaukee, Architect.* ::

The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of twelve inch NATCO and the floors of wood construction. The stucco is white with a greenish cast without waterproofing. The house measures 32 x 37 and has six rooms and one bathroom. The roof is of slate.



RESIDENCE AT MORGAN PARK, ILLINOIS

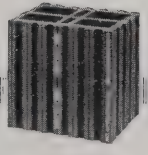
:: *Private Plans* ::

The outside walls of this house are constructed of twelve and eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 28 x 32 and has eight rooms and one bathroom. The roof is of dull red asbestos shingles.

RESIDENCE AT SOUTH BEND, INDIANA

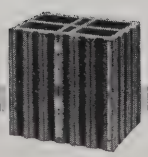
:: *George W. Ashby, Chicago, Architect.* ::

The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of NATCO and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 27 x 38 and has five rooms, sleeping porch and one bathroom. The roof is of cedar shingles.



RESIDENCE AT LAKE BLUFF, ILLINOIS
:: *D. H. Burnham & Company, Chicago, Architects.* ::

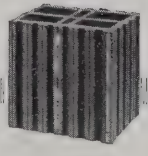
The residence illustrated above is structurally fireproof throughout in every detail and it typifies the most modern ideas of residence construction. The outside walls are constructed of twelve inch NATCO Hollow Tile. The foundations are of concrete and the floors of combination NATCO Hollow Tile and concrete. The partitions are also of Natco. White stucco was used without waterproofing. The dimensions of the house are; main building, 127 x 48; west wing, 64 x 30; north wing, 33 x 21 and has 65 rooms and 27 bathrooms. Combination Natco and concrete was used in the roof with slate shingles for finish.



RESIDENCE AT MILWAUKEE, WISCONSIN

:: *Leenhouts & Guthrie, Milwaukee, Architects* ::

The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of twelve inch NATCO and the floors of wood construction. Gray stucco was used without waterproofing. The house measures 35 x 40 and has nine rooms and two bathrooms. The roof is of green shingles.



RESIDENCE AT BEVERLY HILLS, ILLINOIS

:: *Brown & Walcott, Chicago, Architects.* ::

The outside walls of this house are of brick veneer backed with eight inch NATCO Hollow Tile up to first story sills and eight inch NATCO Hollow Tile stuccoed, above. The foundations are of concrete and the floors of wood construction. Natural cement color stucco was used with a waterproofing paint. The house measures 54 x 45 and has eight rooms and one bathroom. The roof is of green wood shingles.

RESIDENCE AT CHICAGO, ILLINOIS

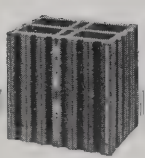
:: *William J. Van Kuren, Chicago, Architect.* ::

The outside walls of this house are constructed of twelve and eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Natural cement color stucco was used with waterproofing. The house measures 26 x 40 and has eight rooms and one bathroom. The roof is of cedar shingles.

RESIDENCE AT GREEN BAY, WISCONSIN

:: *Alfred Fleck, De Pere, Wisconsin, Architect.* ::

The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. The stucco is a light tan without waterproofing. The house measures 32 x 45 and has nine rooms and one bathroom. The roof is of red vulcanite shingles.



RESIDENCE AT KANKAKEE, ILLINOIS

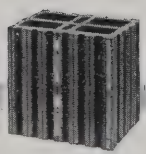
:: *Tallmadge & Watson, Chicago, Architects.* ::

The outside walls of this house are constructed of ten inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Cream color stucco was used with waterproofing. The house measures 32 x 47½ and has six rooms; one bathroom, also a sun parlor and sleeping porch. The roof is of cedar shingles stained olive green.

RESIDENCE AT BEVERLY HILLS, ILLINOIS

:: *Walter Burley Griffin, Chicago, Architect.* ::

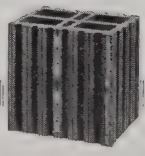
The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of twelve inch NATCO and the floors of wood construction. Light gray stucco was used with waterproofing. The house measures 34 x 34 and has seven rooms and one bathroom; also a sun parlor. A composition roof was used.



RESIDENCE AT OAK PARK, ILLINOIS

:: *Charles E. White, Jr., Chicago, Architect.* ::

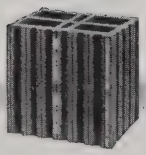
The outside walls of this house are constructed of eight inch NATCO Hollow Tile. The foundations are of NATCO and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 62 x 28 and has ten rooms and three bathrooms. The roof is of sea green slate.



RESIDENCE AT MILWAUKEE, WISCONSIN

:: *G. A. Dick, Milwaukee, Architect.* ::

The outside walls of this house are constructed of ten and eight inch **NATCO** Hollow Tile. The foundations are of brick and the floors of wood construction. Natural cement color stucco was used with waterproofing. The house measures 20 x 38 and has seven rooms and one bathroom. The roof is of cedar shingles.



RESIDENCE AT WAUKEGAN, ILLINOIS

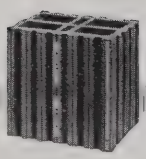
:: *Diegley & Campbell, Chicago, Architects.* ::

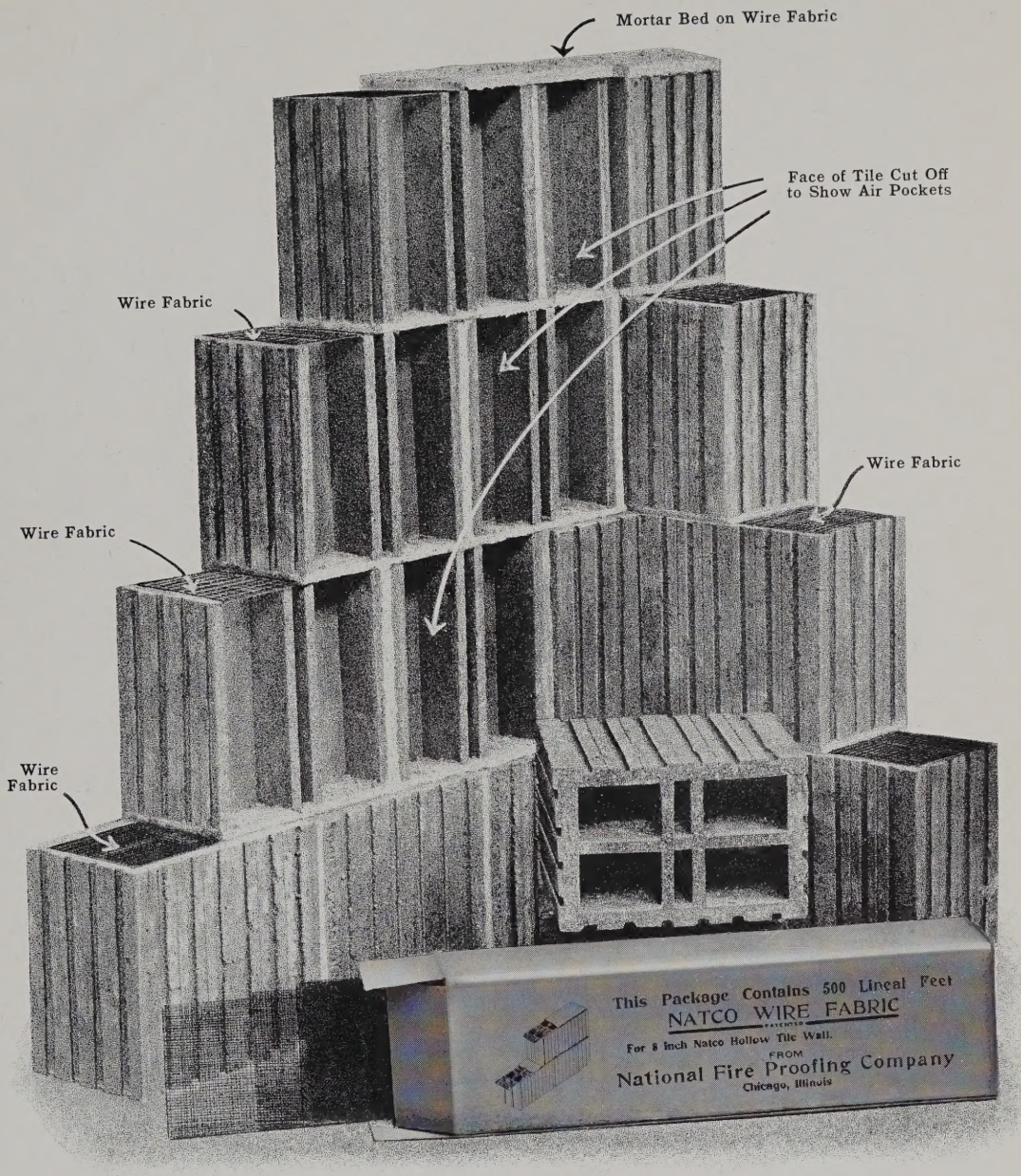
The outside walls of this house are constructed of ten and eight inch NATCO Hollow Tile. The foundations are of concrete and the floors of wood construction. Natural cement color stucco was used without waterproofing. The house measures 62 x 32 and has ten rooms and two bathrooms. The roof is of flat green tile.

RESIDENCE AT OAK PARK, ILLINOIS

:: *White & Christie, Chicago, Architects.* ::

The residence above illustrated is of fireproof construction throughout and provides a splended example of the most modern building methods. The outside walls are constructed of brick veneer backed up with eight inch NATCO Hollow Tile. The foundations are of stone; the floors of combination NATCO Hollow Tile and concrete; bearing partitions of twelve inch NATCO and the subdividing partitions of three inch NATCO. The house measures 53 x 84 and has seventeen rooms and four bathrooms. The roof is of slate.





View of NATCO Tile wall with portion of outer face removed showing vertical alignment of interior webs of tile.

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